Training Schedule
2019
Measurement Solutions – Systems and Products
Training Courses
Whether your employees are industry veterans or new to the field, we believe in supporting our clients and ensuring their ongoing business success. Our training courses reflect the experience and knowledge gained working nearly 100 years in the oil and gas industry.

The courses are taught by the same measurement specialists that design, engineer, and service our equipment. We offer you and your employees a superior training environment that will assist you with safe, reliable, and efficient system operation. The training courses use our demonstration equipment and simulators to provide an in-depth, hands-on experience. Our training courses offer students valuable knowledge and practical expertise that allow students to autonomously install, parameterize, maintain, and repair your system.

TechnipFMC also offers customized courses either at your place of business, a TechnipFMC training location, or a location of your choice. We look forward to sharing our knowledge and experience with you at our training seminars. If you require other training services, please do not hesitate to contact us.

– TechnipFMC Training Department
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Smith Meter®
AccuLoad®

Dates and locations
AccuLoad IV Ellerbek, Germany – May 20–22, 2019
AccuLoad III Erie, Pennsylvania, USA – August 13–16, 2019
AccuLoad IV Erie, Pennsylvania, USA – September 17–20, 2019

Prerequisites
Basic metering knowledge and familiarity with load rack/batching operations.

Overview
These courses combine theory, hands-on training and live demonstrations which will provide an understanding of how AccuLoad electronic load controllers interface into the load rack metering system.

Topics covered include
- General operation
- Programming function
- Installation guidelines
- Service and diagnostics
- Communication functions
- Security features
- Additive injector interface
- Auto proving for provers
- Blending methods and programming (SEQ, ratio and hybrid)
- Pulse transmitters
- AccuMate software application

Schedule

Erie, Pennsylvania, USA schedule
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Ellerbek, Germany schedule
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Order Form
Smith Meter®
AccuLoad® Load Rack

Dates and locations
AccuLoad III Load Rack Erie, Pennsylvania, USA - February 12-15, 2019
AccuLoad IV Load Rack Erie, Pennsylvania, USA - April 9-12, 2019

Overview
This course combines theory, hands-on training and flow demonstrations that students can readily use in the field to install, operate, calibrate, maintain and troubleshoot TechnipFMC’s load rack products.

Topics covered include
- General operation
- Programming function
- Installation guidelines
- Smith Meter PD and Prime4 meters
- Meter service
- Pulse transmitters
- Load rack accessories
- Smith Meter 210 digital control valves
- Turbine meters for load rack service

Schedule
Erie, Pennsylvania, USA schedule

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Ultrasonic Flowmeters
Gas and Liquid

Dates and locations
Ellerbek, Germany - April 10-12, 2019

Overview
This course combines theory and practical training on both the MPU and Ultra Series ultrasonic meter lines. The course covers design, troubleshooting and operation of these technologies and their configurations.

Topics covered include
- Measurement technics
- Meter electronics
- Configuration settings
- Meter diagnostic capabilities
- Troubleshooting technics
- microFlow operation

Schedule
Ellerbek, Germany schedule

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Intro to Custody Transfer Metering

Dates and locations
Erie, Pennsylvania, USA - October 15-18, 2019

Overview
This course covers the basic knowledge for engineers and technicians just entering the oil and gas industry.

Topics covered include
- Flow theory
- Units of measure
- Field transmitters
- Typical control systems
- Basics of product sampling
- Measurement uncertainties

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Click here for Order Form
### Dates and locations

Erie, Pennsylvania, USA - March 12-15, 2019

### Overview

This course combines theory and hands-on training to teach skills that students can immediately use in the field to install, operate, calibrate, maintain and troubleshoot TechnipFMC Measurement Solutions Metering Products.

### Topics covered include

- Smith Meter PD meters
- Conventional turbine meters
- Multiple viscosity turbine meters
- Pipeline accessories
- PD stack accessories
- AccuLoad
- microFlow.net
- Coriolis meters
- Ultrasonic meters
- Proving and proving methods

### Schedule

**Erie, Pennsylvania, USA schedule**

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Intro to Load Rack Operation & Maintenance

Dates and locations
Erie, Pennsylvania, USA - June 4-5, 2019

Overview
This course combines overview of the electronics and mechanical equipment typically found in load racks that students can immediately use to identify the components and their role in the field.

Topics covered include
- microLoad, AccuLoad III and IV operation overview
- MicroMate/AccuMate overview
- Load rack measurement equipment

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Erie, Pennsylvania, USA schedule

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LACT Units

Dates and locations
Erie, Pennsylvania, USA - November 12-15, 2019

Overview
This course covers design, operation and standards governing Lease Automated Custody Transfer metering units.

Topics covered include
- LACT vs tank gauging
- LACT unit design
- Meter technologies
- Smith Meter 210 digital control valves
- API standards
- Proving
- Control and data logging

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FUEL-FACS\textsuperscript{+} Operation

Dates and locations
Lenexa, Kansas, USA - August 20-23, 2019

Overview
This course covers architecture, functions and operation of FUEL-FACS\textsuperscript{+} Facility Business System.

Topics covered include
- Terms and definitions
- Field devices
- Process automation
- Business integration of field data
- System operation
- Data integrity

Schedule

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Terminal Preset Controllers – Advanced

Dates and locations
Ellerbek, Germany - November 18-22 (English Language)

Overview
This course covers programming, operation and troubleshooting for experienced personnel and engineers from service and maintenance companies

Topics covered include
- Temperature compensation
- Flow control
- Advanced programming in AccuLoad III
- microLoad features and configuration
- Metering
- Proving
- microFlow.net overview

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Ellerbek, Germany schedule

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Terminal and Loading Rack System – Basic

Dates and locations
Ellerbek, Germany - May 13-17 (English Language)

Overview
This course covers the basic programming requirements, operation and maintenance for trainees/apprentice personnel and engineers from service and maintenance companies

Topics covered include
- Temperature compensation
- Flow control
- Basic programming blending, unloading, auto proving
- Metering basics
- Proving basics
- microFlow.net

Schedule
Ellerbek, Germany schedule

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TechnipFMC’s policy of practical training is an excellent learning opportunity. Our Aftermarket Group has found that Best Measurement Practices experience builds a solid working knowledge of measurement systems and products for the client, producing on-site personnel who are knowledgeable and comfortable with the operation and maintenance. The courses detailed here can also be customized to meet a client’s particular need by combining courses and focusing on their installed equipment. These unique and individualized courses can be quoted upon request to companies looking for a session held at their site, a centrally located facility to help reduce travel costs, or at one of our facilities located in Germany, Norway, and the US.

This training is aimed at clients with an existing installed base and an on-staff team of operations and maintenance personnel. Development of these training programs will result from close interaction with our team to assess the current skills and competencies of a client’s staff against “industry norms” for the particular level of the technician.
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